

Facility Name: **McIntosh Combustion Turbine - Electric Generating Plant**

City: Rincon

County: Effingham

AIRS #: 04-13-103-00003

Application #: TV-708084

Date SIP Application Received:

Date Title V Application Received: November 14, 2022

Permit No: 4911-103-0003-V-04-2

Program	Review Engineers	Review Managers
SSPP	Renee Browne	Cynthia Dorrough
SSCP	Michael Susky	Tammy Martiny
ISMU	Joshua Pittman	Dan McCain
TOXICS	n/a	n/a
Permitting Program Manager		Stephen Damaske

Introduction

This narrative is being provided to assist the reader in understanding the content of the referenced SIP permit to construct and draft operating permit amendment. Complex issues and unusual items are explained in simpler terms and/or greater detail than is sometimes possible in the actual permit. This permit is being issued pursuant to: (1) Sections 391-3-1-.03(1) and 391-3-1-.03(10) of the Georgia Rules for Air Quality Control, (2) Part 70 of Chapter I of Title 40 of the Code of Federal Regulations, and (3) Title V of the Clean Air Act Amendments of 1990. The following narrative is designed to accompany the draft permit and is presented in the same general order as the permit. This narrative is intended only as an adjunct for the reviewer and has no legal standing. Any revisions made to the permit in response to comments received during the public comment period and EPA review process will be described in an addendum to this narrative.

I. Facility Description**A. Existing Permits**

Table 1 below lists the current Title V permit, and all administrative amendments, minor and significant modifications to that permit, and 502(b)(10) attachments.

Table 1: Current Title V Permit and Amendments

Permit/Amendment Number	Date of Issuance	Description
4911-103-0003-V-04-0	May 22, 2019	TV Renewal
4911-103-0003-V-04-1	November 18, 2020	Removal of coal-fired unit SG01, startup boiler SB01, the coal handling system (CHS), and the ash handling system (AHS), which were officially retired on July 29, 2019. Update the facility name to "McIntosh Combustion Turbine - Electric Generating Plant". Streamline the fuel oil sulfur requirements for the remaining combustion turbine units.

B. Regulatory Status**1. PSD/NSR/RACT**

This facility is a major source under PSD because it has potential emissions of PM₁₀, SO₂, NO_x, VOC, and CO greater than 100 tpy (it is one of the 28 named source categories under PSD).

This modification does not include physical changes or changes in the method of operation of the facility; PSD/NSR is not applicable.

2. Title V Major Source Status by Pollutant

Table 2: Title V Major Source Status

Pollutant	Is the Pollutant Emitted?	If emitted, what is the facility's Title V status for the Pollutant?		
		Major Source Status	Major Source Requesting SM Status	Non-Major Source Status
PM	Y	✓		
PM ₁₀	Y	✓		
PM _{2.5}	Y	✓		
SO ₂	Y	✓		
VOC	Y	✓		
NO _x	Y	✓		
CO	Y	✓		
TRS	N/A			✓
H ₂ S	N/A			✓
Individual HAP	Y	✓		
Total HAPs	Y	✓		

II. Proposed Modification

A. Description of Modification

This application No. TV-708084 was received on November 14, 2022. The application is requesting to renew the Acid Rain Permit for calendar years 2022 through 2026. Note that the original application for Acid Rain Permit Renewal was timely submitted in June 2021 and re-submitted in November 2022 for removal of the coal-fired unit and administrative updates.

B. Emissions Change

Table 3: Emissions Change Due to Modification

Pollutant	Is the Pollutant Emitted?	Net Actual Emissions Increase (Decrease) (tpy)	Net Potential Emissions Increase (Decrease) (tpy)
PM	Y	0	0
PM ₁₀	Y	0	0
PM _{2.5}	Y	0	0
SO ₂	Y	0	0
VOC	Y	0	0
NO _x	Y	0	0
CO	Y	0	0
TRS	N/A	0	0
H ₂ S	N/A	0	0
Individual HAP	Y	0	0
Total HAPs	Y	0	0

C. PSD/NSR Applicability

The PSD major source threshold is 100 tons per year (tpy) because the site is one of the 28 listed source categories (as a *fossil fuel-fired electric plant of more than 250 MMBtu/hr heat input*). The site is major for PM, PM₁₀, PM_{2.5}, SO₂, VOC, NO_x, and CO.

This modification does not include physical changes or changes in the method of operation of the facility; PSD/NSR is not applicable.

VIII. Specific Requirements

A. Operational Flexibility

There are no requests for operational flexibility associated with this modification.

B. Alternative Requirements

There are no alternative requirements associated with this modification.

C. Insignificant Activities

There are no insignificant activities associated with this modification.

D. Temporary Sources

There are no temporary sources associated with this modification.

E. Short-Term Activities

There are no short-term activities associated with this modification.

F. Compliance Schedule/Progress Reports

No compliance issues were indicated.

G. Emissions Trading

There are no emissions trading associated with this modification.

H. Acid Rain Requirements/CAIR/CSPAR

Condition 7.9.7 updates the Acid Rain Permit for calendar years 2022 through 2026 for Emission Units CT01 thru CT08.

I. Prevention of Accidental Releases

This permit modification does not affect the applicability of Prevention of Accidental Releases requirements to this facility.

J. Stratospheric Ozone Protection Requirements

This permit modification does not affect the applicability of Prevention of Accidental Releases requirements to this facility.

K. Pollution Prevention

This permit modification does not affect the applicability of Pollution Prevention requirements to this facility.

L. Specific Conditions

There are no specific conditions associated with this permit modification.

Addendum to Narrative

The 30-day public review started on month day, year and ended on month day, year. Comments were/were not received by the Division.

//If comments were received, state the commenter, the date the comments were received in the above paragraph. All explanations of any changes should be addressed below.//